

*In the claims:*

1. – 20. (Cancelled)

21. (Currently Amended) An immunogenic composition comprising at least one peptide which is an amino acid sequence subunit of ~~S. mutans~~ glucosyltransferase ~~B~~ which is of ~~sufficient of 15 - 21 amino acids in length to raise an immune response in a mammal to whom it is administered~~ comprising an amino acid sequence selected from the group consisting of:

a) — SEQ ID NO: 1; and

b) — SEQ ID NO: 2; SEQ ID NO: 10; SEQ ID NO: 11; SEQ ID NO: 12; SEQ ID NO: 13; SEQ ID NO: 14; SEQ ID NO: 15; SEQ ID NO: 16; SEQ ID NO: 17; SEQ ID NO: 18; and SEQ ID NO: 19.

22. (Original) An immunogenic composition comprising at least one peptide consisting essentially of SEQ ID NO: 3.

23. (Currently Amended) ~~An~~ The immunogenic composition according to Claim ~~20~~21 wherein 2 or more peptides are present and arranged on a core matrix of 3 or more lysines.

24. (Cancelled)

25. (Currently Amended) An immunogenic composition comprising at least two peptides covalently attached to a peptidyl core matrix, wherein each peptide is an amino acid sequence subunit of ~~*S. mutans*~~ glucosyltransferase ~~B~~ which is of sufficient of 15 - 21 amino acids in length to raise an immune response in a mammal to whom it is administered comprising an amino acid sequence selected from the group consisting of:

a) ~~SEQ ID NO: 1; and~~

b) ~~SEQ ID NO: 2; SEQ ID NO: 10; SEQ ID NO: 11; SEQ ID NO: 12; SEQ ID NO: 13; SEQ ID NO: 14; SEQ ID NO: 15; SEQ ID NO: 16; SEQ ID NO: 17; SEQ ID NO: 18; and SEQ ID NO: 19.~~

26. - 27. (Cancelled)

28. (Currently Amended) ~~An~~ The immunogenic composition according to Claim ~~24~~25 wherein the peptidyl core matrix comprises at least one lysine.

29. - 32. (Cancelled)

33. (Currently Amended) ~~An~~ The immunogenic composition according to Claim ~~31~~25 wherein 2 or more of the peptides are present and arranged on a core matrix of 3 or more lysines.

34. - 80. (Cancelled)

81. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 1.

82. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 2.

83. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 10.

84. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 11.

85. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 12.

86. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 13.

87. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 14.

88. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 15.

89. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 16.

90. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 17.

91. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 18.

92. (New) The immunogenic composition of Claim 21, wherein said amino acid sequence is SEQ ID NO: 19.

93. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 1 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

94. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 2 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

95. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 10 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

96. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 11 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

97. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 12 and an amino acid sequence

selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

98. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 13 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

99. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 14 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

100. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 15 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

101. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 16 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

102. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 17 and an amino acid sequence

selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

103. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 18 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

104. (New) The immunogenic composition of Claim 25, wherein said at least two peptides is an amino acid sequence of SEQ ID NO: 19 and an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

105. (New) The immunogenic composition of Claim 22, wherein 2 or more peptides are present and arranged on a core matrix of 3 or more lysines.